

catatagcgg gaaaaaggat ttggataacc ggcgcttcag gagggcttgg agaaagaatc 480
gcatacttat gcgcgggctga aggagcccat gtcctgctgt cggctagacg cgaggatcgt 540
ttgatagaaa tcaaaaggaa aataaccgag gaatggagcg gacagtgtga gatttttcct 600
ctggatgtcg gccgcctaga ggatatcgcc cgggtccgcg atcagatcgg ctcgattgat 660
gtactgatta acaatgcagg cttcgggtata tttgaaacgg ttttagactc tacattggat 720
gacatgaaag cgatgtttga tgtgaatgtc ttcggcctga tcgcctgtac aaaagcgggtg 780
cttccgcaaa tgcttgagca aaaaaaggga catatcatca atatcgctc tcaagcgggg 840
aaaatcgcca caccgaagtc tagcctgtat tccgcgacca aacatgccgt gttagggttac 900
tcaaacgctt tcgggatgga gctttcggga accggcattt atgtgacaac agtcaacccg 960
ggcccgattc agacggactt tttttccatt gctgataaag gcggggacta cgccaaaaat 1020
gtcggccgct ggatgcttga tcctgatgac gtggcagctc aaattacagc tgcaattttt 1080
acgaaaaagc gggagatcaa tcttccgct ttaatgaatg ccggcactaa gctgtatcag 1140
ctgtttccag ctcttgtaga aaagctggca ggacgcgcgc tcatgaaaaa ataatgatag 1200
aactgcctgt ggtggagtgg cttgtttctc acggggcagt ttttgatagt ggaagggaga 1260
gattgttgaa tgtcagttca ttcagaagtc cttcatgctc tgcttaaaga tccgtttatt 1320
cagaaactga ttgatgcaga gcctgtattc tgggcaaatt caggcaagaa agaggggcca 1380
ttaccccgctg cagatgagtg ggcaaccgag atagcggaag cggaaaaaag aatgcagcgg 1440
tttgcacctt acattgccga ggtgtttcct gagacgaaag gcgctaaagg aatcatcgag 1500
tctccgcttt ttgaggtgca gcatatgaag ggaaagctgg aagcggcata tcagcagcca 1560
tttcccgaa gatggctttt aaagtgcgac catgagcttc cgatttcagg atcgattaaa 1620
gcgaggggcg ggatttatga agtggttaaag tatgctgaaa atctcgcgct tcaagaagga 1680
atgcttcagg aaaccgatga ttaccgcac ttacaggaag agcgggtttac cgggtttttc 1740
tcccgctatt cgattgctgt cggttcgaca ggaaatctag gtttaagcat cggcatcatc 1800
ggcgcgccac tcgggtttcg cgtgacagtg catatgtccg ccgatgctaa gcagtggaaa 1860
aaggatctcc tccgccaaaa gggagtcact gttatggagt acgaaacaga ttacagtga 1920
gcggtgaacg aaggagacg gcaggcgga caagatccat tctgttattt tattgatgat 1980
gaacattctc gtcagctgtt cttaggatat gctgttgctg caagccgatt aaaaacacag 2040
cttgactgta tgaatataaa gccaaagtct gagacgccct tgtttggtga tctgccgtgc 2100
ggagtcggcg gaggaccggg cgggtgtagca tttgggctga agcttttata cggagatgat 2160
gttcatgtgt ttttcgaga accaactcat tcacctgtga tgctgttagg gctttattca 2220

ggacttcacg agaagatctc cgtccaggat atcggcctgg ataatcagac ggctgctgac 2280
 ggacttgccg tagggaggcc gtcaggattt gtcggcaagc tgattgaacc gcttctgagc 2340
 ggctgttata cggtagagga caatacgctt tatactttgc ttcatatgct ggctgtatct 2400
 gaagataaat atttagagcc ctctgctctt gctggcatgt tcgggccggt tcagcttttt 2460
 tcgacagaag aggggaaggcg ctatgctcag aaatataaga tggaacatgc cgtacatgtc 2520
 gtctggggaa cgggaggaag catggttcca aaagatgaaa tggctgcgta taaccgaatc 2580
 ggtgctgatt tgctaaaaaa acgaaatgga aaataagcag acagtgaaaa ggttttccgt 2640
 tacaatcttt gtaagggttt taacctacag agagtcagggt gtaaacagtg aaaaataaag 2700
 aacttaacct acatacttta tatacacagc acaatcggga gtcttctgca gctcgagcaa 2760
 tagttaccct tattatcaag ataagaaaga aaaggatttt tcgctacgct caaatccttt 2820
 aaaaaaacac aaaagaccac attttttaat gtggtcttta ttcttcaact aaagcaccca 2880
 ttagttcaac aaacgaaaat tggataaagt gggatatattt taaaatatat atttatgtta 2940
 cagtaatatt gactttttaa aaaggattga ttctaataa gaaagcagac aagtaagcct 3000
 cctaaattca ctttagataa aaatttagga ggcatatcaa atgaacttta ataaaattga 3060
 ttagacaat tggaagagaa aagagatatt taatcattat ttgaaccaac aaacgacttt 3120
 tagtataacc acagaaattg atattagtgt ttataccga aacataaaac aagaaggata 3180
 taaattttac cctgcattta ttttcttagt gacaaggggtg ataaactcaa atacagcttt 3240
 tagaactggt tacaatagcg acggagaggtt aggttattgg gataagttag agccacttta 3300
 tacaattttt gatggtgtat ctaaaacatt ctctgggtatt tggactcctg taaagaatga 3360
 cttcaaagag ttttatgatt tatacctttc tgatgtagag aaatataatg gttcggggaa 3420
 attgtttccc aaaacaccta tacctgaaaa tgctttttct ctttctatta ttccatggac 3480
 ttcatctact gggtttaact taaatatcaa taataatagt aattaccttc taccattat 3540
 tacagcagga aaattcatta ataaaggtaa ttcaatatat ttacogctat ctttacagg 3600
 acatcattct gtttgtgatg gttatcatgc aggattgttt atgaactcta ttcaggaatt 3660
 gtcagatagg cctaataact ggcttttata atatgagata atgocgactg tactttttac 3720
 agtcggtttt ctaatgtcac taacctgcc cgttagttga agaaggtttt tatattacag 3780
 ctgtcgacta aggtcgagga agtggttgga aggagggtat gaaatgtgca tcatattgaa 3840
 ctgtatgtct ctgatttgga ggcgtctagg cggttttggg gctggttctt aaaagaactt 3900
 ggttataaag agtatcaaaa atggagctca ggcatcagct ggaagaaaga tcgtttttac 3960
 ctagtgattg tgcaggcgaa agagccattt ctagagccgg aataccatag atgccagtc 4020
 ggtctgaacc atctcgcatt tcatgctgaa tccaagcttc aagtcgatca gatgactgaa 4080

T22029-637366

aaattgacgg caaaaggcta tcgtgtgttg taccgagaca ggcatacctt tgccggagga 4140
 gacgggcatt atgcagtctt ttgtgaggat ccagaccgga ttaaggtaga gctcgttgcc 4200
 ccaagctggt aatcgtgatc ttccgacagg ctgttcagct tttctcfaat gcgatccagc 4260
 tgcgcttttc gggtttttcgc atacttgaag cctgtaacag ccgcaaagac gacagcggca 4320
 aatataataa atacaaacag ctgaaacatc acatcaccta tttcatgtt cttcacctca 4380
 tgtttgccgg agagattcat tctcttcctg tttttattta aagcggcttt tccagacggg 4440
 aacggtgttt tgtggtctcc attttcattt gccgataggc gaacgctaaa aatggcaggc 4500
 cgagcagggg aatgccgctc aggacagaaa aaatataaat cggccggcca gcgccaaaca 4560
 ggtctataca tatccccccg acccaagggc cgatgacgtt tccgagctgt ggaaaaccga 4620
 ttgccccgaa ataagtgcct tttaatcctg gttttgcaat ctggtctaca taaaaatcca 4680
 tcatagagaa taaaagcact tcgccgattg taaatgtgat gacaatcacc acaattgatg 4740
 gaacaccgtg tgatacggg aaaatggcca tgctgatgct aaccatcaca ttaccgagca 4800
 tcagagaaca aagcggcgaa aaccgttttg caaaatggac aatgggaaat tgcgtcgcca 4860
 acacaacgat tgcgtttaat gtcagcatca gccatacag cttcgttcca ttgccgatca 4920
 aggggttctg cgccatatac tgagggaatg tggaactgaa ttgtgagtag ccgaagggtg 4980
 atagcgtaat gccgaccaa gcaatggtaa aaagataatc cttttgcgtg accataaacg 5040
 cttcccgcac gctcatattt cgggactggg ctggtgctga taaggatgga tgttttttaa 5100
 attggagggc aagcacaatt ccgtatagtc cgtaaatac tgcaggcacc aaaaaggcg 5160
 tagtcgattg cgatgagccg aaatataggc caagcacagg tccgaagaca acgccgatat 5220
 taatagccgc atagcgtaaa ttaaaaacta gcagtctcgt tttttcttct gtcatatcag 5280
 acaacaaggc ctttgaagcg ggctcaaaca gtgatttgca aagaccgttt aatgcgttta 5340
 ctacaaaaaa caccagaga ttagatgctg ccgcaaagcc tgcaaatacc agcatccatc 5400
 cgaaaatcga tacaagcatc atgttttttc tgccgaattt atctgagata tatccgcgt 5460
 aaaagcttgc gaggatgccg actgatgagc tcgcggcgat gaccagccct gcataggaag 5520
 ctgatgcgcc ttggacggct gtcaaataaa tcgctaaaaa aggaatgctc atcgatgttg 5580
 ccattctgcc gaaaatgggt ccgattataa ttgtaacgcg ttggatgcat agcttgagta 5640
 ttctatagtg tcacctaaat agcttgccgt aatcatggtc atagctgttt cctgtgtgaa 5700
 attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct 5760
 ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc 5820
 agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg 5880